ABSTRACT

A multi-facetted antenna array is disclosed for omnidirectional signalling. The multi-facetted antenna array includes a plurality of abutting facets having a planar region under the patch antenna structures, and curving regions between the planar regions and across the abutting edges of the facets. The planar regions under the patch antenna provide proper RF antenna performance, while the curved regions minimize the size of the assembled array. Further disclosed is a method of mounting the associated RF interface module across an inside corner formed by abutting facets. The disclosed multi-facetted antenna array is particularly useful for overcoming the unsightly size and wind loading problems of multi-facetted antenna arrays known in the art.